

# CHAPTER 11

## STATEWIDE SUMMARY OF RESULTS

While KIRIS is a system that primarily assesses schools and their progress toward a specific school goal, data can be aggregated at the district, region and state level. Most attention is directed to the schools, but there is also strong interest in whether the state is reaching its goals as well. This chapter summarizes some of the data at the state level. Table 11-1 contains the final accountability index results for the third accountability cycle<sup>1</sup>. Table 11-2 presents the same analysis for all schools by region, while Table 11-3 provides this information by content area, and Table 11-4 presents results for noncognitive indicators. The data in Tables 11-3 and 11-4 are based on weighted averages of school results.

| <b>TABLE 11-1<br/>STATEWIDE ACCOUNTABILITY INDEX SCORES BY GRADE</b> |            |            |                        |                          |            |            |                                     |                            |                                 |
|--|------------|------------|------------------------|--------------------------|------------|------------|-------------------------------------|----------------------------|---------------------------------|
| Grade Level  | 1995 Index | 1996 Index | 1995-96 Baseline Index | 1997-98 Improvement Goal | 1997 Index | 1998 Index | 1997-98 Accountability Growth Index | Gain in Index 1996 to 1998 | % of Goal Achieved <sup>1</sup> |
| Elementary Grades 4/5  | 46.2       | 45.0       | 45.6                   | 51.0                     | 49.0       | 48.7       | 48.9                                | 3.3                        | 61                              |
| Middle Grades 7/8  | 44.9       | 41.9       | 43.4                   | 49.1                     | 45.6       | 43.9       | 44.8                                | 1.4                        | 25                              |
| High Grades 11/12  | 44.9       | 43.4       | 44.2                   | 49.8                     | 50.4       | 51.3       | 50.8                                | 6.6                        | 118                             |
| All grades   |            |            | 44.4                   | 50.0                     |            |            | 48                                  | 3.6                        | 64                              |

**Note:** The 1995 and 1996 index values may have changed from the values that appear in the Accountability Cycle 2 manual because performance events and Mathematics Portfolios were not part of the Cycle 3 Accountability Index. Also, successful appeals may modify some of these data from the Cycle 2 Technical Manual.

1. Percent of Goal Achieved equals Growth Achieved divided by Improvement Goal times 100.

### ACCOUNTABILITY INDEX SCORES

Statewide performance showed gains on the 1997 and 1998 accountability growth index scale during the third accountability cycle. Accountability indices for the state as a whole averaged across the grades shown in table 11-1, increased from the baseline index (the weighted average of the 1995 and the 1996 index) to the accountability growth index (the weighted average of the 1997 and the 1998 index). The statewide accountability growth index showed a 3.6 point gain from the statewide baseline index of 44.4. However, the statewide accountability growth index did not reach the statewide

<sup>1</sup>Successful appeals may modify some of these data.

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improvement goal of 50.0 points, (5.6 points above the statewide baseline). The 3.6 points gain did constitute a 64 percent achievement of the state's improvement goal<sup>2</sup>.

The average score for grade 4 rose from its baseline of 45.6 to its accountability growth index of 48.9, a 3.3 point rise. At grade 8, the average index rose from a baseline of 43.4 to the 1997 and 1998 average accountability growth index score of 44.8, for a total gain of 1.4 points. At grades 11/12, the overall rise exceeded even grade 4, with a 1995 and 1996 baseline index of 44.2 and a 1997 and 1998 average accountability growth index of 50.8, a 6.6 point gain. The 3.3 point rise at grade 4 was a 75 percent achievement of their desired gain of 6.2 points. Grade 8 showed the smallest percent of goal achieved of any grade level. The 1.4 point rise was only a 25 percent achievement of the desired gain of 5.7 points. Grades 11/12 showed the most improvement with a 6.6 point gain, greater than the expected 5.6 points. This gain translated to a 118 percent achievement of the desired improvement for grades 11/12.

Table 11-2 subdivides the statewide accountability score by grade and region. All regional grade 4 accountability indices recorded improvement, but none reached their improvement goal. Region 8 achieved the lowest percentage of the goal, improving only 19 percent. Region 4 achieved the highest percentage of the goal, improving 83 percent. Across all regions, grade 8 showed less encouraging gains. The highest performing region was Region 2, which scored 52 percent of the improvement goal. Region 8 declined 2 percent from the original baseline. Grades 11/12 showed more improvement than grades 4 and 8. Regions 2, 3, 4, 5, and 8 improved more than 100 percent, with Region 2 leading the way with 149 percent. Region 6 showed the least improvement, but still achieved 79 percent of the improvement goal.

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<sup>2</sup>A convenient way to evaluate state achievement is to calculate the percentage of the state goal obtained. Ideally, the state should achieve 100% or more of its goal. However, during the second accountability cycle the state achieved 87 percent of its overall goal, increasing its score from the baseline score by 5.3 points of the necessary 6.1 points. During the third cycle the state achieved only 64 percent of its 5.6 point improvement goal.

| <b>TABLE 11-2</b>   |               |            |            |                        |                          |            |            |                                     |                            |                    |
|---|---------------|------------|------------|------------------------|--------------------------|------------|------------|-------------------------------------|----------------------------|--------------------|
| <b>STATEWIDE ACCOUNTABILITY INDEX SCORES, BY GRADE AND REGION</b> |               |            |            |                        |                          |            |            |                                     |                            |                    |
| Grade Level   | Region Number | 1995 Index | 1996 Index | 1995-96 Baseline Index | 1997-98 Improvement Goal | 1997 Index | 1998 Index | 1997-98 Accountability Growth Index | Gain In Index 1996 to 1998 | % of Goal Achieved |
| Grades 4/5  | 1             | 46.9       | 43.7       | 45.3                   | 50.8                     | 48.9       | 48.7       | 48.8                                | 3.5                        | 64                 |
|   | 2             | 46.6       | 46.9       | 46.7                   | 52.0                     | 50.6       | 51.1       | 50.8                                | 4.1                        | 77                 |
|   | 3             | 46.7       | 42.6       | 44.6                   | 50.1                     | 47.3       | 47.1       | 47.2                                | 2.6                        | 47                 |
|   | 4             | 47.3       | 46.2       | 46.8                   | 52.1                     | 50.9       | 51.5       | 51.2                                | 4.4                        | 83                 |
|   | 5             | 47.6       | 47.4       | 47.5                   | 52.8                     | 51.1       | 51.0       | 51.0                                | 3.5                        | 66                 |
|   | 6             | 44.1       | 43.9       | 44.0                   | 49.6                     | 47.4       | 46.1       | 46.8                                | 2.8                        | 50                 |
|   | 7             | 45.4       | 45.7       | 45.5                   | 51.0                     | 49.1       | 47.6       | 48.4                                | 2.9                        | 53                 |
|   | 8             | 43.0       | 42.5       | 42.8                   | 48.5                     | 44.2       | 43.6       | 43.9                                | 1.1                        | 19                 |
| Grades 7/8  | 1             | 46.2       | 42.8       | 44.5                   | 50.1                     | 46.5       | 45.6       | 46.1                                | 1.6                        | 29                 |
|   | 2             | 46.2       | 42.6       | 44.4                   | 50.0                     | 47.8       | 46.7       | 47.3                                | 2.9                        | 52                 |
|   | 3             | 41.0       | 37.2       | 39.1                   | 45.2                     | 40.9       | 39.6       | 40.3                                | 1.2                        | 20                 |
|   | 4             | 46.7       | 43.6       | 45.2                   | 50.7                     | 47.9       | 47.2       | 47.5                                | 2.3                        | 42                 |
|   | 5             | 47.8       | 44.0       | 45.9                   | 51.3                     | 48.7       | 45.1       | 46.9                                | 1.0                        | 19                 |
|   | 6             | 43.4       | 41.2       | 42.3                   | 48.1                     | 43.6       | 41.3       | 42.4                                | 0.1                        | 2                  |
|   | 7             | 43.9       | 42.3       | 43.1                   | 48.8                     | 45.7       | 43.0       | 44.3                                | 1.2                        | 21                 |
|   | 8             | 42.3       | 41.0       | 41.6                   | 47.4                     | 42.1       | 40.8       | 41.5                                | -0.1                       | -2                 |
| Grades 11/12  | 1             | 47.9       | 45.6       | 46.8                   | 52.1                     | 51.7       | 51.8       | 51.7                                | 4.9                        | 92                 |
|   | 2             | 45.4       | 44.1       | 44.7                   | 50.2                     | 51.9       | 54.0       | 52.9                                | 8.2                        | 149                |
|   | 3             | 42.7       | 40.9       | 41.8                   | 47.6                     | 48.8       | 51.0       | 49.9                                | 8.1                        | 140                |
|   | 4             | 46.9       | 46.3       | 46.6                   | 51.9                     | 53.3       | 53.8       | 53.5                                | 6.9                        | 130                |
|   | 5             | 46.7       | 45.4       | 46.0                   | 51.4                     | 53.7       | 53.0       | 53.3                                | 7.3                        | 135                |
|   | 6             | 43.8       | 41.7       | 42.7                   | 48.4                     | 46.8       | 47.7       | 47.2                                | 4.5                        | 79                 |
|   | 7             | 44.5       | 41.9       | 43.2                   | 48.9                     | 48.3       | 47.9       | 48.1                                | 4.9                        | 86                 |
|   | 8             | 39.7       | 40.0       | 39.9                   | 45.9                     | 45.4       | 47.2       | 46.3                                | 6.4                        | 107                |

Note: The 1995 and 1996 values may have changed from the values that appear in the Cycle 2 Technical Manual because Performance Events and Mathematics Portfolios were not a part of the Accountability Cycle 3. The values have been recalculated. Also, successful appeals may modify some of these data from the Cycle to Technical Manual.

**GRADE 4.** Table 11.3 shows that index scores improved in all content areas except Social Studies from 1995 to 1998. Science, Arts & Humanities, and Practical Living/Vocational Studies scores increased the most over this four year period. One notable characteristic of this data is that many of the indices declined in the second year of each biennium.

**GRADE 8.** Table 11-3 shows that grade 8 scores in general were little improved from 1995 to 1998. Mathematics and Practical Living/Vocational Studies increased the most while Social Studies declined 10.0 points. The other subject areas were relatively stable. In nearly every subject the grade 8 exhibited losses in the second year of each biennium.

**GRADE 11/12.** Grades 11/12 showed a different pattern from grades 4 and 8. Scores for all but Practical Living/Vocational Studies increased from 1995 to 1998, with Reading climbing substantially. The pattern of decline in the second year of a biennium was present in 1996 where all subjects declined while Science remained stable. In 1998, Social Studies, Arts & Humanities and Writing showed gains, while the others showed losses, as had the lower grades.

| <b>TABLE 11-3</b><br><b>CONTENT AREA INDEX SCORES BY GRADE AND YEAR</b> |      |         |      |         |                |                   |                  |         |                                   |
|---|------|---------|------|---------|----------------|-------------------|------------------|---------|-----------------------------------|
| Grade Level   | Year | Reading | Math | Science | Social Studies | Arts & Humanities | Practical Living | Writing | Accountability Index <sup>1</sup> |
| Grades 4/5  | 1995 | 55.3    | 41.8 | 32.4    | 38.8           | 11.8              | 24.0             | 33.5    | 36.6                              |
|   | 1996 | 56.5    | 38.9 | 29.8    | 35.9           | 11.8              | 24.3             | 32.5    | 35.3                              |
|   | 1997 | 63.7    | 44.7 | 38.1    | 36.2           | 13.4              | 28.0             | 36.7    | 40.0                              |
|   | 1998 | 58.4    | 44.4 | 37.2    | 37.9           | 15.7              | 28.9             | 38.4    | 39.8                              |
| Grades 7/8  | 1995 | 45.4    | 48.9 | 24.1    | 43.0           | 23.1              | 17.6             | 27.6    | 34.9                              |
|   | 1996 | 45.5    | 47.3 | 18.6    | 35.9           | 21.7              | 12.4             | 23.9    | 31.4                              |
|   | 1997 | 49.2    | 53.8 | 23.6    | 38.9           | 29.1              | 18.0             | 25.9    | 35.8                              |
|   | 1998 | 47.0    | 51.3 | 21.6    | 33.0           | 23.7              | 19.9             | 28.0    | 33.8                              |
| Grades 11/12  | 1995 | 33.8    | 45.5 | 40.9    | 40.1           | 17.2              | 25.3             | 31.8    | 35.6                              |
|   | 1996 | 33.6    | 44.2 | 40.9    | 34.7           | 16.9              | 19.8             | 31.4    | 33.8                              |
|   | 1997 | 54.0    | 50.0 | 45.3    | 44.4           | 17.4              | 25.4             | 37.0    | 42.0                              |
|   | 1998 | 51.4    | 47.0 | 44.3    | 49.4           | 22.3              | 23.4             | 43.4    | 43.1                              |

<sup>1</sup>Includes Noncognitive Index

Note: The 1995 and 1996 values may have changed from the values that appeared in the *KIRIS Accountability Cycle 2 Technical Manual* because Performance Events and Mathematics Portfolios were not part of the Accountability Cycle 3 index. Table 11-4 presents the data on noncognitive indicators. Unlike the academic indices, which are grade specific, the noncognitive indicators are gathered for the entire school. The data for elementary schools demonstrated a slight but steady decline in attendance, a slight but steady rise in retention rates, and as a result of these two factors, a slight decline in the cognitive indicators over Accountability Cycle 3. The same pattern prevailed at the middle level, except that a slight decline in dropout rates compensated and allowed the cognitive indicators to remain essentially flat. The increased rate of successful transition to adult life, as judged by graduating students working, joining the military, or pursuing post-secondary education compensated for the decline of the attendance rate and an increase in the retention and dropout rates for the high school level. The result was a very slight increase in the high school Noncognitive Index for Accountability Cycle 3.

| <b>TABLE 11-4</b>  |      |                 |                |              |                          |                            |
|--|------|-----------------|----------------|--------------|--------------------------|----------------------------|
| <b>STATEWIDE NONCOGNITIVE INDICATORS BY GRADE AND YEAR<sup>1</sup></b> |      |                 |                |              |                          |                            |
| Grade Level  | Year | Attendance Rate | Retention Rate | Dropout Rate | Transition to Adult Life | Overall Noncognitive Index |
| Elementary   | 1995 | 95.64           | 0.64           | N/A          | N/A                      | 96.4                       |
|  | 1996 | 95.35           | 1.06           | N/A          | N/A                      | 96.1                       |
|  | 1997 | 95.29           | 1.05           | N/A          | N/A                      | 96.0                       |
|  | 1998 | 95.08           | 1.15           | N/A          | N/A                      | 95.8                       |
| Middle   | 1995 | 95.10           | 1.64           | 0.82         | N/A                      | 97.2                       |
|  | 1996 | 94.75           | 1.74           | 0.80         | N/A                      | 97.0                       |
|  | 1997 | 94.77           | 1.79           | 0.74         | N/A                      | 97.0                       |
|  | 1998 | 94.62           | 1.73           | 0.63         | N/A                      | 97.0                       |
| High   | 1995 | 93.13           | 5.33           | 5.14         | 93.99                    | 94.2                       |
|  | 1996 | 92.62           | 6.37           | 5.53         | 93.73                    | 93.8                       |
|  | 1997 | 92.80           | 6.39           | 5.53         | 95.25                    | 94.4                       |
|  | 1998 | 92.50           | 6.10           | 5.31         | 95.15                    | 94.4                       |

<sup>1</sup>Beginning with 1995, the noncognitive data were lagged by one year.

In summary, while there were gains in nearly all subject areas at nearly all grade levels, the amount of gain did not reach the goals set for improvement for Accountability Cycle 3. This picture indicated that the pace of improvement in Kentucky schools needed to increase if the goal of 100 is to be reached in the future.

## **Gender and Ethnicity Study.**

The previous data were aggregated from the school level to the district, region and state levels. The state level data can be disaggregated into gender and ethnic groupings. In the light of Kentucky's concern that all children learn, this disaggregation may provide useful curriculum planning information. As a result of this concern, a study was done

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that included the six years (1993-1998) included in Accountability Cycle 2 and Accountability Cycle 3 of the KIRIS assessment. The main findings of this study<sup>3</sup> were that academic performance differences by gender and race exist among Kentucky students. The overall pattern of difference found the following rank ordering of student scores (highest to lowest): Caucasian female, Caucasian male, African American female, and African American male.

Table 11-5 contains the data concerning the percentage of students by gender for each grade level. Enrollment at the elementary and middle levels peaked in 1994 and then slowly declined. At the high school level, enrollment peaked in 1996 and then declined. At the elementary and middle levels, males outnumbered females except for a shift in 1998 at grade 4. At the high school level, females outnumbered males, and the percentage differential grew.

Table 11-6 shows the racial/ethnic distribution for the accountability years by grade level. The percentages for minority students were generally stable, with most increases in Caucasian and African-American students resulting from declining numbers who did not indicate the racial category.

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<sup>3</sup> Smith, D. C., Neff, D. O., & Nemes, J. M. (1999). *Assessing Race And Gender Subgroup Performance Differences In KIRIS Accountability Cycle 2 And Cycle 3 Results*. Frankfort, KY: Kentucky Department of Education.

| <b>TABLE 11-5</b><br><b>GENDER PERCENTAGE DISTRIBUTION IN ACCOUNTABILITY</b><br><b>GRADES</b> |         |  |        |        |        |        |        |
|---|---------|--|--------|--------|--------|--------|--------|
| Grade   | Gender  | Academic Year Ending                           |        |        |        |        |        |
|   |         | 1993   | 1994   | 1995   | 1996   | 1997   | 1998   |
| 4   | Male    | 50.9   | 50.0   | 51.7   | 51.6   | 51.2   | 48.8   |
|   | Female  | 47.8   | 46.9   | 47.7   | 48.0   | 48.7   | 51.2   |
|   | Missing | 1.4  | 3.0    | 0.5    | 0.2    | 0.0    | 0.0    |
|   | Total   | 48,951   | 49,106 | 48,685 | 47,116 | 46,941 | 46,405 |
| 5   | Male    | GRADES 5 AND 7 WERE NOT TESTED DURING CYCLE 2. |        |        |        | 51.7   | 51.2   |
|   | Female  |  |        |        |        | 48.3   | 48.7   |
|   | Missing |  |        |        |        | 0.0    | 0.0    |
|   | Total   |  |        |        |        | 46,973 | 47,078 |
| 7   | Male    |  |        |        |        | 51.5   | 52.1   |
|   | Female  |  |        |        |        | 48.3   | 47.9   |
|   | Missing |  |        |        |        | 0.0    | 0.1    |
|   | Total   |  |        |        |        | 49,441 | 49,094 |
| 8   | Male    | 50.0   | 50.3   | 51.0   | 51.0   | 51.3   | 51.0   |
|   | Female  | 48.4   | 48.1   | 48.4   | 48.6   | 48.7   | 48.9   |
|   | Missing | 2.0  | 1.7    | 0.6    | 0.3    | 0.0    | 0.0    |
|   | Total   | 49,018   | 51,302 | 51,090 | 50,244 | 49,521 | 48,539 |
| 11/12   | Male    | 49.3   | 50.0   | 49.5   | 49.3   | 49.1   | 48.8   |
|   | Female  | 49.9   | 49.5   | 47.7   | 50.5   | 50.9   | 50.8   |
|   | Missing | 0.9  | 0.4    | 2.8    | 0.2    | 0.0    | 0.2    |
|   | Total   | 35,832   | 36,388 | 41,082 | 41,118 | 40,819 | 40,327 |

Note: The numbers and the percentages presented in the table were based on self-reported student responses. These numbers do not include students completing alternate portfolios and, therefore, may differ slightly from figures from other sources. In addition, the percentages presented in the table may not add to 100 due to rounding.

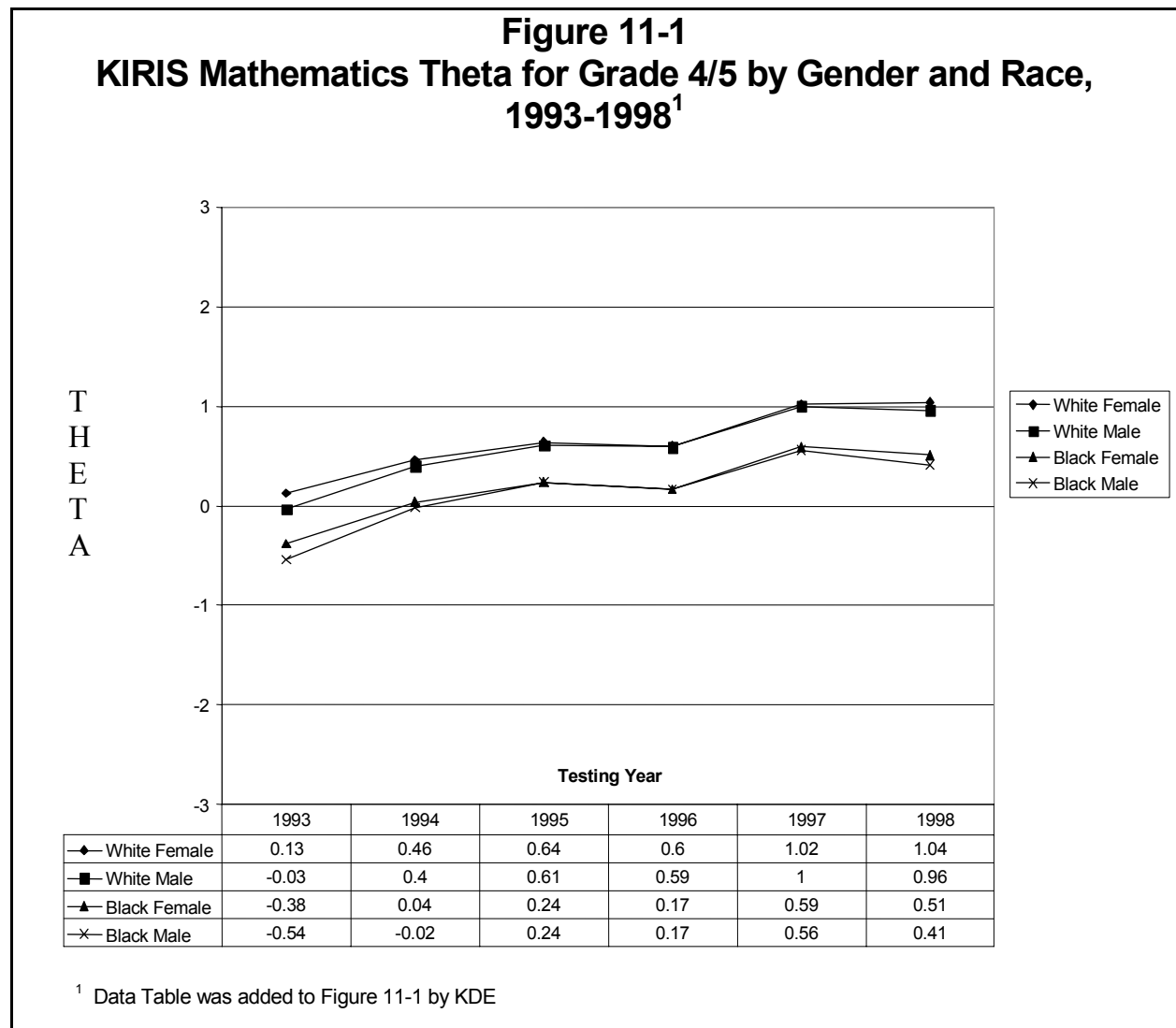
**TABLE 11-6  
RACIAL/ETHNIC PERCENTAGE DISTRIBUTION IN  
ACCOUNTABILITY GRADES**

| Grade | Race/<br>Ethnicity | Academic Year Ending                            |        |        |        |        |        |
|-------|--------------------|---|--------|--------|--------|--------|--------|
|       |                    | 1993  | 1994   | 1995   | 1996   | 1997   | 1998   |
| 4     | Asian              | 0.3   | 0.4    | 0.4    | 0.5    | 0.6    | 0.5    |
|       | African-American   | 8.1   | 8.7    | 8.2    | 9.7    | 9.4    | 10.1   |
|       | Hispanic           | 0.2   | 0.3    | 0.3    | 0.4    | 0.5    | 0.6    |
|       | White              | 84.9  | 86.2   | 86.5   | 88.1   | 86.7   | 87.2   |
|       | Other              | 0.3   | 0.5    | 0.5    | 0.6    | 0.6    | 0.9    |
|       | Missing            | 6.0   | 3.9    | 4.1    | 0.7    | 2.2    | 0.7    |
|       | Total              | 48,951  | 49,106 | 48,685 | 47,116 | 46,941 | 46,405 |
| 5     | Asian              | GRADE 5 AND 7 WERE NOT TESTED<br>DURING CYCLE 2 |        |        |        | 0.5    | 0.6    |
|       | African-American   |   |        |        |        | 9.4    | 9.7    |
|       | Hispanic           |   |        |        |        | 0.5    | 0.6    |
|       | White              |   |        |        |        | 86.5   | 87.9   |
|       | Other              |   |        |        |        | 0.7    | 0.8    |
|       | Missing            |   |        |        |        | 2.4    | 0.4    |
|       | Total              |   |        |        |        | 46,973 | 47,078 |
| 7     | Asian              | GRADE 5 AND 7 WERE NOT TESTED<br>DURING CYCLE 2 |        |        |        | 0.5    | 0.5    |
|       | African-American   |   |        |        |        | 9.1    | 9.1    |
|       | Hispanic           |   |        |        |        | 0.5    | 0.5    |
|       | White              |   |        |        |        | 86.7   | 88.4   |
|       | Other              |   |        |        |        | 0.9    | 0.9    |
|       | Missing            |   |        |        |        | 2.3    | 0.5    |
|       | Total              |   |        |        |        | 49,441 | 49,094 |
| 8     | Asian              | 0.3   | 0.4    | 0.4    | 0.4    | 0.5    | 0.6    |
|       | African-American   | 9.3   | 8.6    | 8.5    | 9.1    | 8.8    | 9.3    |
|       | Hispanic           | 0.5   | 0.4    | 0.5    | 0.4    | 0.5    | 0.6    |
|       | White              | 86.1  | 87.6   | 86.6   | 88.2   | 86.4   | 87.9   |
|       | Other              | 0.4   | 0.7    | 0.8    | 0.9    | 0.8    | 1.1    |
|       | Missing            | 3.5   | 2.3    | 3.2    | 0.9    | 3.4    | 0.5    |
|       | Total              | 49,018  | 51,302 | 50,689 | 50,244 | 49,521 | 48,539 |
| 11/12 | Asian              | 0.5   | 0.7    | 0.5    | 0.6    | 0.5    | 0.6    |
|       | African-American   | 7.4   | 7.8    | 7.7    | 8.5    | 8.1    | 8.2    |
|       | Hispanic           | 0.3   | 0.3    | 0.4    | 0.4    | 0.4    | 0.6    |
|       | White              | 8.6   | 89.4   | 86.5   | 88.4   | 87.2   | 88.9   |
|       | Other              | 0.4   | 0.8    | 1.1    | 1.1    | 1.1    | 1.2    |
|       | Missing            | 2.9   | 0.9    | 3.8    | 1.1    | 2.7    | 0.6    |
|       | Total              | 35,832  | 36,388 | 41,082 | 41,118 | 40,819 | 40,327 |

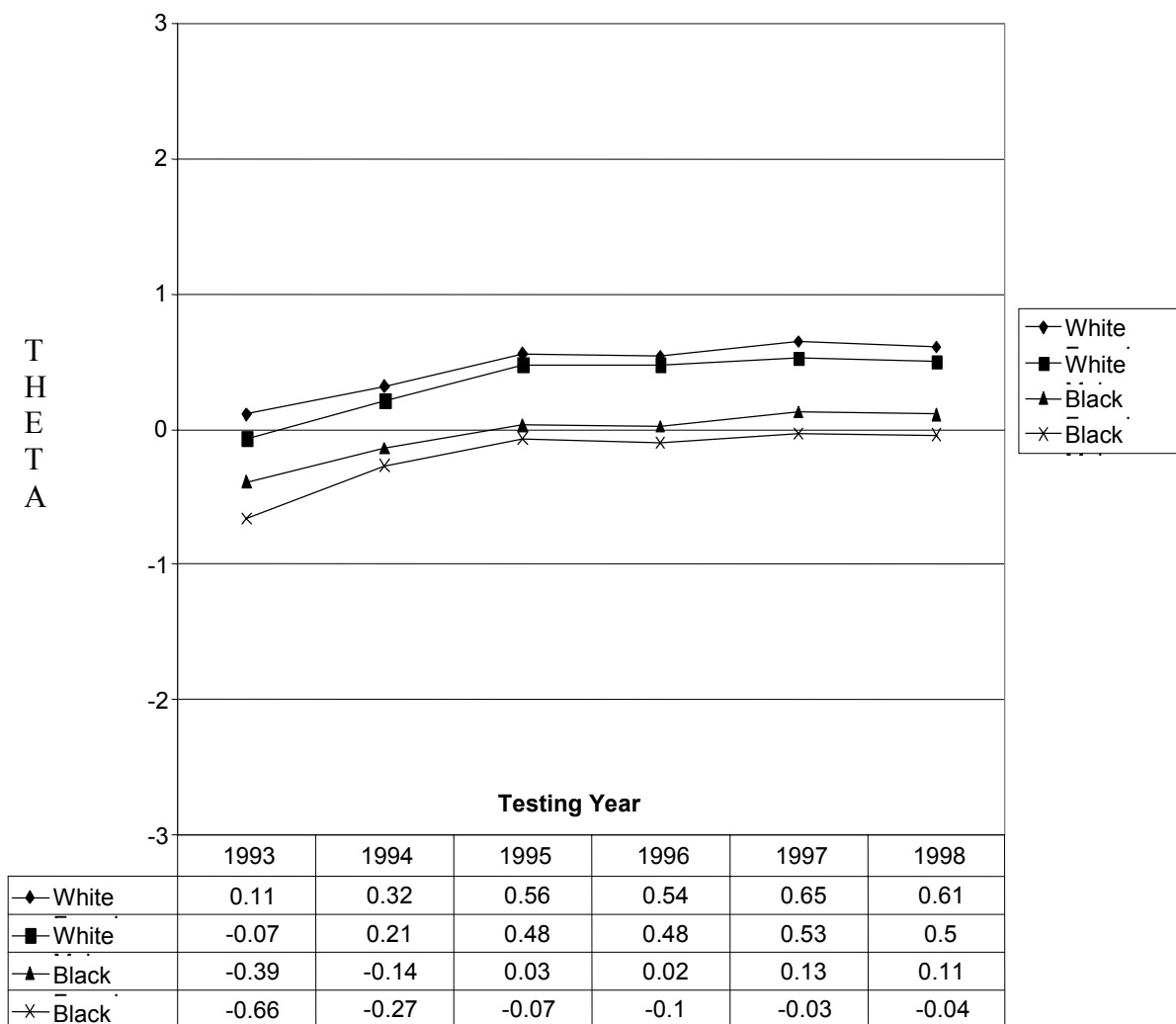


Note: The numbers and the percentages presented in Table 11-6 above were based on self-reported student responses. These numbers do not include students completing alternate portfolios and, therefore, may differ slightly from figures from other sources. In addition, the percentages presented in the table may not add to 100 due to rounding.

Figures 11-1 and 11-2 are representative of the figures in the Smith, et al. (1999) study, which indicate graphically the differences in performance by gender and the two major racial groups in Kentucky. These two were selected because they illustrate the order described in the introduction of this section, and they also illustrate the size of differences. The entire study is available from the Kentucky Department of Education, Office of Assessment and Accountability. The following paragraphs summarize the findings of the study.



**Figure 11-2**  
**KIRIS Mathematics Theta for Grade 8 by Gender and Race,**  
**1993-1998<sup>1</sup>**



<sup>1</sup> Data Table was added to Figure 11-2 by KDE

### Elementary Schools

KIRIS scores at the elementary level indicated continuous improvement across the six-year period in Reading, Mathematics, Science, and Social Studies. There was very little difference by gender in the Science and Mathematics scores, but there was a small difference in Reading and Social Studies. The differences in scores by race were evident and consistent in all academic areas across all six years.

### **Middle Schools**

KIRIS scores at the middle level were stable in Reading, Science, and Social Studies, with a slight increase in Mathematics across the six years. There were evident differences by both race and gender in Reading and Social Studies, but only by race in Mathematics and Science, as shown in Figure 11-2.

### **High Schools**

KIRIS scores improved in all subject areas across the six years at the high school level. The differences in Mathematics were primarily by race, while the Reading, Science and Social Studies differences were present for both race and gender. As mentioned previously, the pattern was consistently Caucasian females, Caucasian males, African American females, African American males in that order from highest average scores to lowest.

### **Conclusions**

The *National Assessment of Educational Progress (NAEP)* and the *American College Test (ACT)* reveal essentially the same pattern at the national level as the Kentucky data does at the state level. The size of the differences in the KIRIS scores are probably not due to bias in the construction of the test in the light of the care exercised by the Bias Review Committee. Note that items judged by the Bias Review Committee to cause disadvantage to student subgroups are removed from the test, or modified to remove the potential source of bias.

An additional section of the study compared the gap in Caucasian and African American student scores in school districts with higher concentrations of minorities versus districts with lower concentrations. Smith found that school districts with more than 3 percent minority enrollment had a larger discrepancy.

Another approach examined six Kentucky schools looking for common factors that could explain racial performance differences. Semi-structured interviews were conducted at each sample school. An analysis of the data from all six schools found the faculties of every school commonly reported only socioeconomic status as the variable that they believed affected scores. The widespread perception of faculty was that when student social class was similar then performance differences became smaller or disappeared. Following a quantitative analysis of the data, using a multiple linear regression, the result was that differences by race and gender were still apparent after socioeconomic differences were taken into account.

## THE STUDY OF STUDENTS WITH DISABILITIES USING READING ACCOMMODATIONS

### 1995 through 1998

Table 11-7 shows the number and percentage of disabled students by grade level and whether or not they received reading accommodation for the years 1995 through 1998. Table 11-8 provides the number of disabled students, the number of total students, and the disabled percentage at each grade level. Tables 11-9 through 11-24 show the detail of the disability type and accommodation. Any accommodation permitted was considered in the context of a student's disability and directly related to the delivery of instruction to that student; therefore, the accommodation was provided within the assessment administration process.

In review of the data, the following should be noted:

- The data reported in tables 11-9 and beyond reflect a student's primary disability; therefore, a student may have been coded as having a primary disability implying a physical one while other secondary disabilities may have been the reason for applying the reading accommodation to both the instructional and assessment setting.
- The numbers of students that were identified as having a disability were increasing; however, the numbers of students that were being accommodated were rising more slowly. Numbers of students with disabilities most noticeably increased at the elementary and middle school levels while remaining relatively stable at the high school level.
- The percent of students receiving the reading accommodation at the elementary level was in the 72 percent to 76 percent range during the period of 1995 through 1998.
- In general, the percent receiving reading accommodations at the middle school level ranged between 55 percent and 62 percent. In the first two years Reading was moved to grade 7 and was reported in the 61 percent to 62 percent range.
- At the high school level, the percent receiving reading accommodations had remained in the 42 percent to 47 percent range. (Increase was 16 students as opposed to approximately 350 at the elementary and middle school levels.)
- The Kentucky Department of Education undertook two series of specific regional workshops directed at District Assessment Coordinators and Directors of Special Education for the purpose of reviewing specific details related to the use of accommodations in both the instructional and assessment settings.

**TABLE 11-7  
READING ACCOMODATION BY GRADE/YEAR**

|                 | NO <sup>1</sup> |         | YES <sup>2</sup> |         | TOTAL <sup>3</sup> |         |
|-----------------|-----------------|---------|------------------|---------|--------------------|---------|
| YEAR            | Freq            | Percent | Freq             | Percent | Freq               | Percent |
| <b>Grade 4</b>  |                 |         |                  |         |                    |         |
| 1995            | 1,242           | 25.6    | 3,608            | 74.4    | 4,850              | 100.0   |
| 1996            | 1,189           | 24.5    | 3,674            | 75.5    | 4,863              | 100.0   |
| 1997            | 1,249           | 24.2    | 3,911            | 75.8    | 5,160              | 100.0   |
| 1998            | 1,468           | 27.1    | 3,944            | 72.9    | 5,412              | 100.0   |
| <b>Grade 5</b>  |                 |         |                  |         |                    |         |
| 1997            | 1,301           | 25.1    | 3,877            | 74.9    | 5,178              | 100.0   |
| 1998            | 1,659           | 29.5    | 3,974            | 70.5    | 5,633              | 100.0   |
| <b>Grade 7</b>  |                 |         |                  |         |                    |         |
| 1997            | 1,641           | 38.0    | 2,680            | 62.0    | 4,321              | 100.0   |
| 1998            | 1,903           | 38.5    | 3,037            | 61.5    | 4,940              | 100.0   |
| <b>Grade 8</b>  |                 |         |                  |         |                    |         |
| 1995            | 1,733           | 42.6    | 2,339            | 57.4    | 4,072              | 100.0   |
| 1996            | 1,766           | 43.3    | 2,314            | 56.7    | 4,080              | 100.0   |
| 1997            | 1,758           | 42.5    | 2,378            | 57.5    | 4,136              | 100.0   |
| 1998            | 1,972           | 44.9    | 2,424            | 55.1    | 4,396              | 100.0   |
| <b>Grade 11</b> |                 |         |                  |         |                    |         |
| 1995            | 1,084           | 53.4    | 948              | 46.6    | 2,032              | 100.0   |
| 1996            | 1,130           | 54.5    | 945              | 45.5    | 2,075              | 100.0   |
| 1997            | 1,079           | 55.0    | 883              | 45.0    | 1,962              | 100.0   |
| 1998            | 1,293           | 57.3    | 964              | 42.7    | 2,257              | 100.0   |

<sup>1</sup> NO: No oral accommodation was indicated on the student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on the student answer document.

<sup>3</sup> TOTAL: Total includes students indicated as having an IEP or 504 Plan

| <b>TABLE 11-8<br/>PERCENTAGE OF STUDENTS WITH DISABILITIES</b> |                                  |                             |  |
|--|----------------------------------|-----------------------------|--|
| <b>YEAR</b>  | <b>Disability<br/>Population</b> | <b>Total<br/>Population</b> | <b>Percent of Population<br/>With a Disability</b> |
| <b>Grade 4</b>   |                                  |                             |  |
| 1995   | 4,850                            | 49,445                      | 9.8  |
| 1996   | 4,863                            | 47,725                      | 10.2   |
| 1997   | 5,160                            | 47,333                      | 10.9   |
| 1998   | 5,412                            | 46,454                      | 11.7   |
| <b>Grade 5</b>   |                                  |                             |  |
| 1997   | 5,178                            | 47,342                      | 10.9   |
| 1998   | 5,633                            | 47,136                      | 11.9   |
| <b>Grade 7</b>   |                                  |                             |  |
| 1997   | 4,321                            | 49,893                      | 8.7  |
| 1998   | 4,940                            | 49,267                      | 10.0   |
| <b>Grade 8</b>   |                                  |                             |  |
| 1995   | 4,072                            | 51,213                      | 8.0  |
| 1996   | 4,080                            | 50,664                      | 8.1  |
| 1997   | 4,136                            | 49,960                      | 8.3  |
| 1998   | 4,396                            | 48,796                      | 9.0  |
| <b>Grade 11</b>  |                                  |                             |  |
| 1995   | 3,032                            | 41,697                      | 7.3  |
| 1996   | 2,075                            | 41,354                      | 5.0  |
| 1997   | 1,962                            | 41,177                      | 4.8  |
| 1998   | 2,257                            | 40,647                      | 5.6  |

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**TABLE 11-9**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1995**  
**Grade 4**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 4      | 4              | 9                    | 129                    | 147            | 22                      | 48              | 0               | 61      | 37     | 416                | 7                    | 358                  | 1242   |
|                     | Percent | 0.08   | 0.08           | 0.19                 | 2.66                   | 3.03           | 0.45                    | 0.99            | 0.00            | 1.26    | 0.76   | 8.58               | 0.14                 | 7.38                 | 25.61  |
|                     | Row Pct | 0.32   | 0.32           | 0.72                 | 10.39                  | 11.84          | 1.77                    | 3.86            | 0.00            | 4.91    | 2.98   | 33.49              | 0.56                 | 28.82                |        |
|                     | Col Pct | 50.00  | 66.67          | 30.00                | 40.06                  | 11.04          | 61.11                   | 31.58           | 0.00            | 72.62   | 63.79  | 69.10              | 24.14                | 16.35                |        |
| YES <sup>2</sup>    | Freq    | 4      | 2              | 21                   | 193                    | 1184           | 14                      | 104             | 2               | 23      | 21     | 186                | 22                   | 1832                 | 3608   |
|                     | Percent | 0.08   | 0.04           | 0.43                 | 3.98                   | 24.41          | 0.29                    | 2.14            | 0.04            | 0.47    | 0.43   | 3.84               | 0.45                 | 37.77                | 74.39  |
|                     | Row Pct | 0.11   | 0.06           | 0.58                 | 5.35                   | 32.82          | 0.39                    | 2.88            | 0.06            | 0.64    | 0.58   | 5.16               | 0.61                 | 50.78                |        |
|                     | Col Pct | 50.00  | 33.33          | 70.00                | 59.94                  | 88.96          | 38.89                   | 68.42           | 100.0           | 27.38   | 36.21  | 30.90              | 75.86                | 83.65                |        |
| TOTALS <sup>3</sup> |         | 8      | 6              | 30                   | 322                    | 1331           | 36                      | 152             | 2               | 84      | 58     | 602                | 29                   | 2190                 | 4850   |
|                     |         | 0.16   | 0.12           | 0.62                 | 6.64                   | 27.44          | 0.74                    | 3.13            | 0.04            | 1.73    | 1.20   | 12.41              | 0.60                 | 45.15                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-10**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1995**  
**Grade 8**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 1      | 3              | 10                   | 258                    | 316            | 23                      | 33              | 7               | 37      | 34     | 39                 | 11                   | 961                  | 1733   |
|                     | Percent | 0.02   | 0.07           | 0.25                 | 6.34                   | 7.76           | 0.56                    | 0.81            | 0.17            | 0.91    | 0.83   | 0.96               | 0.27                 | 23.60                | 42.56  |
|                     | Row Pct | 0.06   | 0.17           | 0.58                 | 14.89                  | 18.23          | 1.33                    | 1.90            | 0.40            | 2.14    | 1.96   | 2.25               | 0.63                 | 55.45                |        |
|                     | Col Pct | 50.00  | 100.0          | 35.71                | 63.70                  | 26.01          | 67.65                   | 58.93           | 58.33           | 74.00   | 85.00  | 60.94              | 28.95                | 45.22                |        |
| YES <sup>2</sup>    | Freq    | 1      | 0              | 18                   | 147                    | 899            | 11                      | 23              | 5               | 13      | 6      | 25                 | 27                   | 1164                 | 2339   |
|                     | Percent | 0.02   | 0.00           | 0.44                 | 3.61                   | 22.08          | 0.27                    | 0.56            | 0.12            | 0.32    | 0.15   | 0.61               | 0.66                 | 28.59                | 57.44  |
|                     | Row Pct | 0.04   | 0.00           | 0.77                 | 6.28                   | 38.44          | 0.47                    | 0.98            | 0.21            | 0.56    | 0.26   | 1.07               | 1.15                 | 49.76                |        |
|                     | Col Pct | 50.00  | 0.00           | 64.29                | 36.30                  | 73.99          | 32.35                   | 41.07           | 41.67           | 26.00   | 15.00  | 39.06              | 71.05                | 54.78                |        |
| TOTALS <sup>3</sup> |         | 2      | 3              | 28                   | 405                    | 1215           | 34                      | 56              | 12              | 50      | 40     | 64                 | 38                   | 2125                 | 4072   |
|                     |         | 0.05   | 0.07           | 0.69                 | 9.95                   | 29.84          | 0.83                    | 1.38            | 0.29            | 1.23    | 0.98   | 1.57               | 0.93                 | 52.19                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

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**TABLE 11-11**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1995**  
**Grade 11**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 2      | 6              | 11                   | 78                     | 217            | 14                      | 5               | 9               | 62      | 36     | 6                  | 37                   | 601                  | 1084   |
|                     | Percent | 0.10   | 0.30           | 0.54                 | 3.84                   | 10.68          | 0.69                    | 0.25            | 0.44            | 3.05    | 1.77   | 0.30               | 1.82                 | 29.58                | 53.35  |
|                     | Row Pct | 0.18   | 0.55           | 1.01                 | 7.20                   | 20.02          | 1.29                    | 0.46            | 0.83            | 5.72    | 3.32   | 0.55               | 3.41                 | 55.44                |        |
|                     | Col Pct | 100.00 | 100.0          | 52.38                | 65.55                  | 36.78          | 82.35                   | 41.67           | 81.82           | 89.86   | 80.00  | 46.15              | 57.81                | 56.54                |        |
| YES <sup>2</sup>    | Freq    | 0      | 0              | 10                   | 41                     | 373            | 3                       | 7               | 2               | 7       | 9      | 7                  | 27                   | 462                  | 948    |
|                     | Percent | 0.00   | 0.00           | 0.49                 | 2.02                   | 18.36          | 0.15                    | 0.34            | 0.10            | 0.34    | 0.44   | 0.34               | 1.33                 | 22.74                | 46.65  |
|                     | Row Pct | 0.00   | 0.00           | 1.05                 | 4.32                   | 39.35          | 0.32                    | 0.74            | 0.21            | 0.74    | 0.95   | 0.74               | 2.85                 | 48.73                |        |
|                     | Col Pct | 0.00   | 0.00           | 47.62                | 34.45                  | 63.22          | 17.65                   | 58.33           | 18.18           | 10.14   | 20.00  | 53.85              | 42.19                | 43.46                |        |
| TOTALS <sup>3</sup> |         |        | 6              | 21                   | 119                    | 590            | 17                      | 12              | 11              | 69      | 45     | 13                 | 64                   | 1063                 | 2032   |
|                     |         |        | 0.30           | 1.03                 | 5.86                   | 29.04          | 0.84                    | 0.59            | 0.54            | 3.40    | 2.21   | 0.64               | 3.15                 | 52.31                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-12**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1996**  
**Grade 4**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 3      | 2              | 26                   | 117                    | 138            | 24                      | 66              | 1               | 37      | 20     | 396                | 2                    | 357                  | 1189   |
|                     | Percent | 0.06   | 0.04           | 0.53                 | 2.41                   | 2.84           | 0.49                    | 1.36            | 0.02            | 0.76    | 0.41   | 8.14               | 0.04                 | 7.34                 | 24.45  |
|                     | Row Pct | 0.25   | 0.17           | 2.19                 | 9.84                   | 11.61          | 2.02                    | 5.55            | 0.08            | 3.11    | 1.68   | 33.31              | 0.17                 | 30.03                |        |
|                     | Col Pct | 37.50  | 66.67          | 17.11                | 36.68                  | 10.71          | 68.57                   | 31.13           | 14.29           | 71.15   | 55.56  | 71.22              | 8.33                 | 16.44                |        |
| YES <sup>2</sup>    | Freq    | 5      | 1              | 126                  | 202                    | 1150           | 11                      | 146             | 6               | 15      | 16     | 160                | 22                   | 1814                 | 3674   |
|                     | Percent | 0.10   | 0.02           | 2.59                 | 4.15                   | 23.65          | 0.23                    | 3.00            | 0.12            | 0.31    | 0.33   | 3.29               | 0.45                 | 37.30                | 75.55  |
|                     | Row Pct | 0.14   | 0.03           | 3.43                 | 5.50                   | 31.30          | 0.30                    | 3.97            | 0.16            | 0.41    | 0.44   | 4.35               | 0.60                 | 49.37                |        |
|                     | Col Pct | 62.50  | 33.33          | 82.89                | 63.32                  | 89.29          | 31.43                   | 68.87           | 85.71           | 28.85   | 44.44  | 28.78              | 91.67                | 83.56                |        |
| TOTALS <sup>3</sup> |         |        | 3              | 152                  | 319                    | 1288           | 35                      | 212             | 7               | 52      | 36     | 556                | 24                   | 2171                 | 4863   |
|                     |         |        | 0.06           | 3.13                 | 6.56                   | 26.49          | 0.72                    | 4.36            | 0.14            | 1.07    | 0.74   | 11.43              | 0.49                 | 44.64                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.



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**TABLE 11-13**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1996**  
**Grade 8**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 3      | 5              | 14                   | 305                    | 237            | 22                      | 55              | 6               | 46      | 26     | 38                 | 8                    | 1001                 | 1766   |
|                     | Percent | 0.07   | 0.12           | 0.34                 | 7.48                   | 5.81           | 0.54                    | 1.35            | 0.15            | 1.13    | 0.64   | 0.93               | 0.20                 | 24.53                | 43.28  |
|                     | Row Pct | 0.17   | 0.28           | 0.79                 | 17.27                  | 13.42          | 1.25                    | 3.11            | 0.34            | 2.60    | 1.47   | 2.15               | 0.45                 | 56.68                |        |
|                     | Col Pct | 100.00 | 83.33          | 28.00                | 68.85                  | 19.02          | 59.46                   | 65.48           | 50.00           | 68.66   | 74.29  | 70.37              | 30.77                | 49.63                |        |
| YES <sup>2</sup>    | Freq    | 0      | 1              | 36                   | 138                    | 1009           | 15                      | 29              | 6               | 21      | 9      | 16                 | 18                   | 1016                 | 2314   |
|                     | Percent | 0.00   | 0.02           | 0.88                 | 3.38                   | 24.73          | 0.37                    | 0.71            | 0.15            | 0.51    | 0.22   | 0.39               | 0.44                 | 24.90                | 56.72  |
|                     | Row Pct | 0.00   | 0.04           | 1.56                 | 5.96                   | 43.60          | 0.65                    | 1.25            | 0.26            | 0.91    | 0.39   | 0.69               | 0.78                 | 43.91                |        |
|                     | Col Pct | 0.00   | 16.67          | 72.00                | 31.15                  | 80.98          | 40.54                   | 34.52           | 50.00           | 31.34   | 25.71  | 29.63              | 69.23                | 50.37                |        |
| TOTALS <sup>3</sup> |         |        | 6              | 50                   | 443                    | 1246           | 37                      | 84              | 12              | 67      | 35     | 54                 | 26                   | 2017                 | 4080   |
|                     |         |        | 0.15           | 1.23                 | 10.86                  | 30.54          | 0.91                    | 2.06            | 0.29            | 1.64    | 0.86   | 1.32               | 0.64                 | 49.44                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-14**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1996**  
**Grade 11**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 1      | 4              | 33                   | 80                     | 263            | 17                      | 21              | 12              | 29      | 49     | 10                 | 10                   | 601                  | 1130   |
|                     | Percent | 0.05   | 0.19           | 1.59                 | 3.86                   | 12.67          | 0.82                    | 1.01            | 0.58            | 1.40    | 2.36   | 0.48               | 0.48                 | 28.96                | 54.46  |
|                     | Row Pct | 0.09   | 0.35           | 2.92                 | 7.08                   | 23.27          | 1.50                    | 1.86            | 1.06            | 2.57    | 4.34   | 0.88               | 0.88                 | 53.19                |        |
|                     | Col Pct | 50.00  | 66.67          | 80.49                | 73.39                  | 39.79          | 94.44                   | 91.30           | 92.31           | 90.63   | 83.05  | 100.00             | 37.04                | 55.96                |        |
| YES <sup>2</sup>    | Freq    | 1      | 2              | 8                    | 29                     | 398            | 1                       | 2               | 1               | 3       | 10     | 0                  | 17                   | 473                  | 945    |
|                     | Percent | 0.05   | 0.10           | 0.39                 | 1.40                   | 19.18          | 0.05                    | 0.10            | 0.05            | 0.14    | 0.48   | 0.00               | 0.82                 | 22.80                | 45.54  |
|                     | Row Pct | 0.11   | 0.21           | 0.85                 | 3.07                   | 42.12          | 0.11                    | 0.21            | 0.11            | 0.32    | 1.06   | 0.00               | 1.80                 | 50.05                |        |
|                     | Col Pct | 50.00  | 33.33          | 19.51                | 26.61                  | 60.21          | 5.56                    | 8.70            | 7.69            | 9.38    | 16.95  | 0.00               | 62.96                | 44.04                |        |
| TOTALS <sup>3</sup> |         |        | 6              | 41                   | 109                    | 661            | 18                      | 23              | 13              | 32      | 59     | 10                 | 27                   | 1074                 | 2075   |
|                     |         |        | 0.29           | 1.98                 | 5.25                   | 31.86          | 0.87                    | 1.11            | 0.63            | 1.54    | 2.84   | 0.48               | 1.30                 | 51.76                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

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**TABLE 11-15**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1997**  
**Grade 4**

|                           |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>           | Freq    | 4      | 1              | 9                    | 131                    | 54             | 24                      | 81              | 3               | 16      | 18     | 546                | 5                    | 357                  | 1249   |
|                           | Percent | 0.08   | 0.02           | 0.17                 | 2.54                   | 1.05           | 0.47                    | 1.57            | 0.06            | 0.31    | 0.35   | 10.58              | 0.10                 | 6.92                 | 24.21  |
|                           | Row Pct | 0.32   | 0.08           | 0.72                 | 10.49                  | 4.32           | 1.92                    | 6.49            | 0.24            | 1.28    | 1.44   | 43.71              | 0.40                 | 28.58                |        |
|                           | Col Pct | 36.36  | 100.00         | 12.50                | 40.68                  | 4.01           | 53.33                   | 25.16           | 23.08           | 34.78   | 48.65  | 84.91              | 20.00                | 15.67                |        |
| YES <sup>2</sup>          | Freq    | 7      | 0              | 63                   | 191                    | 1291           | 21                      | 241             | 10              | 30      | 19     | 97                 | 20                   | 1921                 | 3911   |
|                           | Percent | 0.14   | 0.00           | 1.22                 | 3.70                   | 25.02          | 0.41                    | 4.67            | 0.19            | 0.58    | 0.37   | 1.88               | 0.39                 | 37.23                | 75.79  |
|                           | Row Pct | 0.18   | 0.00           | 161                  | 4.88                   | 33.01          | 0.54                    | 6.16            | 0.26            | 0.77    | 0.49   | 2.48               | 0.51                 | 49.12                |        |
|                           | Col Pct | 63.64  | 0.00           | 87.50                | 59.32                  | 95.99          | 46.67                   | 74.84           | 76.92           | 65.22   | 51.35  | 15.09              | 80.00                | 84.33                |        |
| <b>TOTALS<sup>3</sup></b> |         |        | 1              | 72                   | 322                    | 1345           | 45                      | 322             | 13              | 46      | 37     | 643                | 25                   | 2278                 | 5160   |
|                           |         |        | 0.02           | 1.40                 | 6.24                   | 26.07          | 0.87                    | 6.24            | 0.25            | 0.89    | 0.72   | 12.46              | 0.48                 | 44.15                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-16**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1997**  
**Grade 5**

|                           |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>           | Freq    | 5      | 1              | 10                   | 201                    | 109            | 21                      | 103             | 6               | 33      | 27     | 267                | 5                    | 513                  | 1301   |
|                           | Percent | 0.10   | 0.02           | 0.19                 | 3.88                   | 2.11           | 0.41                    | 1.99            | 0.12            | 0.64    | 0.52   | 5.16               | 0.10                 | 9.91                 | 25.13  |
|                           | Row Pct | 0.38   | 0.08           | 0.77                 | 15.45                  | 8.38           | 1.61                    | 7.92            | 0.46            | 2.54    | 2.08   | 20.52              | 0.38                 | 39.43                |        |
|                           | Col Pct | 50.00  | 50.00          | 18.52                | 47.97                  | 7.81           | 61.76                   | 32.70           | 46.15           | 61.11   | 62.79  | 81.16              | 16.13                | 20.70                |        |
| YES <sup>2</sup>          | Freq    | 5      | 1              | 44                   | 218                    | 1287           | 13                      | 212             | 7               | 21      | 16     | 62                 | 26                   | 1965                 | 3877   |
|                           | Percent | 0.10   | 0.02           | 0.85                 | 4.21                   | 24.86          | 0.25                    | 4.09            | 0.14            | 0.41    | 0.31   | 1.20               | 0.50                 | 37.95                | 74.87  |
|                           | Row Pct | 0.13   | 0.03           | 1.13                 | 5.62                   | 33.20          | 0.34                    | 5.47            | 0.18            | 0.54    | 0.41   | 1.60               | 0.67                 | 50.68                |        |
|                           | Col Pct | 50.00  | 50.00          | 81.48                | 52.03                  | 92.19          | 38.24                   | 67.30           | 53.85           | 38.89   | 37.21  | 18.84              | 83.87                | 79.30                |        |
| <b>TOTALS<sup>3</sup></b> |         |        | 2              | 54                   | 419                    | 1396           | 34                      | 315             | 13              | 54      | 43     | 329                | 31                   | 2478                 | 5178   |
|                           |         |        | 0.04           | 1.04                 | 8.09                   | 26.96          | 0.66                    | 6.08            | 0.25            | 1.04    | 0.83   | 6.35               | 0.60                 | 47.86                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-17**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1997**  
**Grade 7**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 4      | 0              | 10                   | 319                    | 221            | 14                      | 88              | 2               | 24      | 24     | 75                 | 4                    | 856                  | 1641   |
|                     | Percent | 0.09   | 0.00           | 0.23                 | 7.38                   | 5.11           | 0.32                    | 2.04            | 0.05            | 0.56    | 0.56   | 1.74               | 0.09                 | 19.81                | 37.98  |
|                     | Row Pct | 0.24   | 0.00           | 0.61                 | 19.44                  | 13.47          | 0.85                    | 5.36            | 0.12            | 1.46    | 1.46   | 4.57               | 0.24                 | 52.16                |        |
|                     | Col Pct | 57.14  | 0.00           | 30.30                | 59.96                  | 17.20          | 73.68                   | 52.07           | 33.33           | 58.54   | 77.42  | 85.23              | 20.00                | 40.96                |        |
| YES <sup>2</sup>    | Freq    | 3      | 0              | 23                   | 213                    | 1064           | 5                       | 81              | 4               | 17      | 7      | 13                 | 16                   | 1234                 | 2680   |
|                     | Percent | 0.07   | 0.00           | 0.53                 | 4.93                   | 24.62          | 0.12                    | 1.87            | 0.09            | 0.39    | 0.16   | 0.30               | 0.37                 | 28.56                | 62.02  |
|                     | Row Pct | 0.11   | 0.00           | 0.86                 | 7.95                   | 39.70          | 0.19                    | 3.02            | 0.15            | 0.63    | 0.26   | 0.49               | 0.60                 | 46.04                |        |
|                     | Col Pct | 42.86  | 0.00           | 69.70                | 40.04                  | 82.80          | 26.32                   | 47.93           | 66.67           | 41.46   | 22.58  | 14.77              | 80.00                | 59.04                |        |
| TOTALS <sup>3</sup> |         |        | 0              | 33                   | 532                    | 1285           | 19                      | 169             | 6               | 41      | 31     | 88                 | 20                   | 2090                 | 4321   |
|                     |         |        | 0.00           | 0.76                 | 12.31                  | 29.74          | 0.44                    | 3.91            | 0.14            | 0.95    | 0.72   | 2.04               | 0.46                 | 48.37                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-18**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1997**  
**Grade 8**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 2      | 3              | 10                   | 317                    | 255            | 29                      | 98              | 2               | 37      | 25     | 40                 | 5                    | 935                  | 1758   |
|                     | Percent | 0.05   | 0.07           | 0.24                 | 7.66                   | 6.17           | 0.70                    | 2.37            | 0.05            | 0.89    | 0.60   | 0.97               | 0.12                 | 22.61                | 42.50  |
|                     | Row Pct | 0.11   | 0.17           | 0.57                 | 18.03                  | 14.51          | 1.65                    | 5.57            | 0.11            | 2.10    | 1.42   | 2.28               | 0.28                 | 53.19                |        |
|                     | Col Pct | 50.00  | 75.00          | 31.25                | 69.52                  | 20.30          | 87.88                   | 67.12           | 22.22           | 75.51   | 75.76  | 76.92              | 23.81                | 45.81                |        |
| YES <sup>2</sup>    | Freq    | 2      | 1              | 22                   | 139                    | 1001           | 4                       | 48              | 7               | 12      | 8      | 12                 | 16                   | 1106                 | 2378   |
|                     | Percent | 0.05   | 0.02           | 0.53                 | 3.36                   | 24.20          | 0.10                    | 1.16            | 0.17            | 0.29    | 0.19   | 0.29               | 0.39                 | 26.74                | 57.50  |
|                     | Row Pct | 0.08   | 0.04           | 0.93                 | 5.85                   | 42.09          | 0.17                    | 2.02            | 0.29            | 0.50    | 0.34   | 0.50               | 0.67                 | 46.51                |        |
|                     | Col Pct | 50.00  | 25.00          | 68.75                | 30.48                  | 79.70          | 12.12                   | 32.88           | 77.78           | 24.49   | 24.24  | 23.08              | 76.19                | 54.19                |        |
| TOTALS <sup>3</sup> |         |        | 4              | 32                   | 456                    | 1256           | 33                      | 146             | 9               | 49      | 33     | 52                 | 21                   | 2041                 | 4136   |
|                     |         |        | 0.10           | 0.77                 | 11.03                  | 30.37          | 0.80                    | 3.53            | 0.22            | 1.18    | 0.80   | 1.26               | 0.51                 | 49.35                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

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**TABLE 11-19**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1997**  
**Grade 11**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 2      | 5              | 9                    | 98                     | 221            | 24                      | 24              | 6               | 42      | 27     | 6                  | 5                    | 610                  | 1079   |
|                     | Percent | 0.10   | 0.25           | 0.46                 | 4.99                   | 11.26          | 1.22                    | 1.22            | 0.31            | 2.14    | 1.38   | 0.31               | 0.25                 | 31.09                | 54.99  |
|                     | Row Pct | 0.19   | 0.46           | 0.83                 | 9.08                   | 20.48          | 2.22                    | 2.22            | 0.56            | 3.89    | 2.50   | 0.56               | 0.46                 | 56.53                |        |
|                     | Col Pct | 66.67  | 100.00         | 40.91                | 69.01                  | 38.37          | 92.31                   | 61.54           | 66.67           | 89.36   | 90.00  | 100.00             | 22.73                | 58.94                |        |
| YES <sup>2</sup>    | Freq    | 1      | 0              | 13                   | 44                     | 355            | 2                       | 15              | 3               | 5       | 3      | 0                  | 17                   | 425                  | 883    |
|                     | Percent | 0.05   | 0.00           | 0.66                 | 2.24                   | 18.09          | 0.10                    | 0.76            | 0.15            | 0.25    | 0.15   | 0.00               | 0.87                 | 21.66                | 45.01  |
|                     | Row Pct | 0.11   | 0.00           | 1.47                 | 4.98                   | 40.20          | 0.23                    | 1.70            | 0.34            | 0.57    | 0.34   | 0.00               | 1.93                 | 48.13                |        |
|                     | Col Pct | 33.33  | 0.00           | 59.09                | 30.99                  | 61.63          | 7.69                    | 38.46           | 33.33           | 10.64   | 10.00  | 0.00               | 77.27                | 41.06                |        |
| TOTALS <sup>3</sup> |         |        | 5              | 22                   | 142                    | 576            | 26                      | 39              | 9               | 47      | 30     | 6                  | 22                   | 1035                 | 1962   |
|                     |         |        | 0.25           | 1.12                 | 7.24                   | 29.36          | 1.33                    | 1.99            | 0.46            | 2.40    | 1.53   | 0.31               | 1.12                 | 52.75                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-20**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1998**  
**Grade 4**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 13     | 5              | 12                   | 186                    | 71             | 32                      | 183             | 2               | 32      | 20     | 461                | 2                    | 449                  | 1468   |
|                     | Percent | 0.24   | 0.09           | 0.22                 | 3.44                   | 1.31           | 0.59                    | 3.38            | 0.04            | 0.59    | 0.37   | 8.52               | 0.04                 | 8.30                 | 27.12  |
|                     | Row Pct | 0.89   | 0.34           | 0.82                 | 12.67                  | 4.84           | 2.18                    | 12.47           | 0.14            | 2.18    | 1.36   | 31.40              | 0.14                 | 30.59                |        |
|                     | Col Pct | 68.42  | 100.00         | 17.91                | 44.18                  | 5.33           | 71.11                   | 35.47           | 20.00           | 50.00   | 55.56  | 84.28              | 6.06                 | 19.38                |        |
| YES <sup>2</sup>    | Freq    | 6      | 0              | 55                   | 235                    | 1261           | 13                      | 333             | 8               | 32      | 16     | 86                 | 31                   | 1868                 | 3944   |
|                     | Percent | 0.11   | 0.00           | 1.02                 | 4.34                   | 23.30          | 0.24                    | 6.15            | 0.15            | 0.59    | 0.30   | 1.59               | 0.57                 | 34.52                | 72.88  |
|                     | Row Pct | 0.15   | 0.00           | 1.39                 | 5.96                   | 31.97          | 0.33                    | 8.44            | 0.20            | 0.81    | 0.41   | 2.18               | 0.79                 | 47.36                |        |
|                     | Col Pct | 31.58  | 0.00           | 82.09                | 55.82                  | 94.67          | 28.89                   | 64.53           | 80.00           | 50.00   | 44.44  | 15.72              | 93.94                | 80.62                |        |
| TOTALS <sup>3</sup> |         |        | 5              | 67                   | 421                    | 1332           | 45                      | 516             | 10              | 64      | 36     | 547                | 33                   | 2317                 | 5412   |
|                     |         |        | 0.09           | 1.24                 | 7.78                   | 24.61          | 0.83                    | 9.53            | 0.18            | 1.18    | 0.67   | 10.11              | 0.61                 | 42.81                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

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**TABLE 11-21**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1998**  
**Grade 5**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 4      | 2              | 24                   | 209                    | 109            | 45                      | 202             | 4               | 25      | 23     | 373                | 9                    | 630                  | 1659   |
|                     | Percent | 0.07   | 0.04           | 0.43                 | 3.71                   | 1.94           | 0.80                    | 3.59            | 0.07            | 0.44    | 0.41   | 6.62               | 0.16                 | 11.18                | 29.45  |
|                     | Row Pct | 0.24   | 0.12           | 1.45                 | 12.60                  | 6.57           | 2.71                    | 12.18           | 0.24            | 1.51    | 1.39   | 22.48              | 0.54                 | 37.97                |        |
|                     | Col Pct | 26.67  | 50.00          | 30.00                | 51.35                  | 7.85           | 68.18                   | 38.33           | 33.33           | 58.14   | 60.53  | 83.26              | 25.71                | 24.51                |        |
| YES <sup>2</sup>    | Freq    | 11     | 2              | 56                   | 198                    | 1279           | 21                      | 325             | 8               | 18      | 15     | 75                 | 26                   | 1940                 | 3974   |
|                     | Percent | 0.20   | 0.04           | 0.99                 | 3.52                   | 22.71          | 0.37                    | 5.77            | 0.14            | 0.32    | 0.27   | 1.33               | 0.46                 | 34.44                | 70.55  |
|                     | Row Pct | 0.28   | 0.05           | 1.41                 | 4.98                   | 32.18          | 0.53                    | 8.18            | 0.20            | 0.45    | 0.38   | 1.89               | 0.65                 | 48.82                |        |
|                     | Col Pct | 73.33  | 50.00          | 70.00                | 48.65                  | 92.15          | 31.82                   | 61.67           | 66.67           | 41.86   | 39.47  | 16.74              | 74.29                | 75.49                |        |
| TOTALS <sup>3</sup> |         |        | 4              | 80                   | 407                    | 1388           | 66                      | 527             | 12              | 43      | 38     | 448                | 35                   | 2570                 | 5633   |
|                     |         |        | 0.07           | 1.42                 | 7.23                   | 24.64          | 1.17                    | 9.36            | 0.21            | 0.76    | 0.67   | 7.95               | 0.62                 | 45.62                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-22**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1998**  
**Grade 7**

|                     |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>     | Freq    | 0      | 6              | 17                   | 340                    | 243            | 15                      | 237             | 3               | 36      | 27     | 95                 | 3                    | 881                  | 1903   |
|                     | Percent | 0.00   | 0.12           | 0.34                 | 6.88                   | 4.92           | 0.30                    | 4.80            | 0.06            | 0.73    | 0.55   | 1.92               | 0.06                 | 17.83                | 38.52  |
|                     | Row Pct | 0.00   | 0.32           | 0.89                 | 17.87                  | 12.77          | 0.79                    | 12.45           | 0.16            | 1.89    | 1.42   | 4.99               | 0.16                 | 46.30                |        |
|                     | Col Pct | 0.00   | 100.00         | 37.78                | 62.85                  | 16.86          | 45.45                   | 62.37           | 42.86           | 62.07   | 67.50  | 87.96              | 10.00                | 39.30                |        |
| YES <sup>2</sup>    | Freq    | 9      | 0              | 28                   | 201                    | 1198           | 18                      | 143             | 4               | 22      | 13     | 13                 | 27                   | 1361                 | 3037   |
|                     | Percent | 0.18   | 0.00           | 0.57                 | 4.07                   | 24.25          | 0.36                    | 2.89            | 0.08            | 0.45    | 0.26   | 0.26               | 0.55                 | 27.55                | 61.48  |
|                     | Row Pct | 0.30   | 0.00           | 0.92                 | 6.62                   | 39.45          | 0.59                    | 4.71            | 0.13            | 0.72    | 0.43   | 0.43               | 0.89                 | 44.81                |        |
|                     | Col Pct | 100.00 | 0.00           | 62.22                | 37.15                  | 83.14          | 54.55                   | 37.63           | 57.14           | 37.93   | 32.50  | 12.04              | 90.00                | 60.70                |        |
| TOTALS <sup>3</sup> |         |        | 6              | 45                   | 541                    | 1441           | 33                      | 380             | 7               | 58      | 40     | 108                | 30                   | 2242                 | 4940   |
|                     |         |        | 0.12           | 0.91                 | 10.95                  | 29.17          | 0.67                    | 7.69            | 0.14            | 1.17    | 0.81   | 2.19               | 0.61                 | 45.38                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

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**TABLE 11-23**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1998**  
**Grade 8**

|                           |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>           | Freq    | 3      | 0              | 25                   | 419                    | 276            | 23                      | 171             | 6               | 35      | 24     | 63                 | 9                    | 918                  | 1972   |
|                           | Percent | 0.07   | 0.00           | 0.57                 | 9.53                   | 6.28           | 0.52                    | 3.89            | 0.14            | 0.80    | 0.55   | 1.43               | 0.20                 | 20.88                | 44.86  |
|                           | Row Pct | 0.15   | 0.00           | 1.27                 | 21.25                  | 14.00          | 1.17                    | 8.67            | 0.30            | 1.77    | 1.22   | 3.19               | 0.46                 | 46.55                |        |
|                           | Col Pct | 42.86  | 0.00           | 43.86                | 70.42                  | 21.66          | 71.88                   | 64.53           | 66.67           | 81.40   | 80.00  | 81.82              | 45.00                | 46.20                |        |
| YES <sup>2</sup>          | Freq    | 4      | 0              | 32                   | 176                    | 998            | 9                       | 94              | 3               | 8       | 6      | 14                 | 11                   | 1069                 | 2424   |
|                           | Percent | 0.09   | 0.00           | 0.73                 | 4.00                   | 22.70          | 0.20                    | 2.14            | 0.07            | 0.18    | 0.14   | 0.32               | 0.25                 | 24.32                | 55.14  |
|                           | Row Pct | 0.17   | 0.00           | 1.32                 | 7.26                   | 41.17          | 0.37                    | 3.88            | 0.12            | 0.33    | 0.25   | 0.58               | 0.45                 | 44.10                |        |
|                           | Col Pct | 57.14  | 0.00           | 56.14                | 29.58                  | 78.34          | 28.13                   | 35.47           | 33.33           | 18.60   | 20.00  | 18.18              | 55.00                | 53.80                |        |
| <b>TOTALS<sup>3</sup></b> |         |        | 0              | 57                   | 595                    | 1274           | 32                      | 265             | 9               | 43      | 30     | 77                 | 20                   | 1987                 | 4396   |
|                           |         |        | 0.00           | 1.30                 | 13.54                  | 28.98          | 0.73                    | 6.03            | 0.20            | 0.98    | 0.68   | 1.75               | 0.45                 | 45.20                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.

**TABLE 11-24**  
**Reading Accommodations for Disabled Students by Disability by Grade - 1998**  
**Grade 11**

|                           |         | Autism | Deaf/<br>Blind | Multi-<br>Disability | Emotional/<br>Behavior | Mild<br>Mental | Physical/<br>Orthopedic | Other<br>Health | Brain<br>Injury | Hearing | Visual | Communica-<br>tion | Functional<br>Mental | Specific<br>Learning | TOTALS |
|---------------------------|---------|--------|----------------|----------------------|------------------------|----------------|-------------------------|-----------------|-----------------|---------|--------|--------------------|----------------------|----------------------|--------|
| NO <sup>1</sup>           | Freq    | 2      | 5              | 7                    | 128                    | 311            | 22                      | 58              | 7               | 35      | 26     | 11                 | 10                   | 671                  | 1293   |
|                           | Percent | 0.09   | 0.22           | 0.31                 | 5.67                   | 13.78          | 0.97                    | 2.57            | 0.31            | 1.55    | 1.15   | 0.49               | 0.44                 | 29.73                | 57.29  |
|                           | Row Pct | 0.15   | 0.39           | 0.54                 | 9.90                   | 24.05          | 1.70                    | 4.49            | 0.54            | 2.71    | 2.01   | 0.85               | 0.77                 | 51.89                |        |
|                           | Col Pct | 66.67  | 100.00         | 38.89                | 81.01                  | 43.93          | 88.00                   | 81.69           | 77.78           | 94.59   | 74.29  | 91.67              | 52.63                | 57.99                |        |
| YES <sup>2</sup>          | Freq    | 1      | 0              | 11                   | 30                     | 397            | 3                       | 13              | 2               | 2       | 9      | 1                  | 9                    | 486                  | 964    |
|                           | Percent | 0.04   | 0.00           | 0.49                 | 1.33                   | 17.59          | 0.13                    | 0.58            | 0.09            | 0.09    | 0.40   | 0.04               | 0.40                 | 21.53                | 42.71  |
|                           | Row Pct | 0.10   | 0.00           | 1.14                 | 3.11                   | 41.18          | 0.31                    | 1.35            | 0.21            | 0.21    | 0.93   | 0.10               | 0.93                 | 50.41                |        |
|                           | Col Pct | 33.33  | 0.00           | 61.11                | 18.99                  | 56.07          | 12.00                   | 18.31           | 22.22           | 5.41    | 25.71  | 8.33               | 47.37                | 42.01                |        |
| <b>TOTALS<sup>3</sup></b> |         |        | 5              | 18                   | 158                    | 708            | 25                      | 71              | 9               | 37      | 35     | 12                 | 19                   | 1157                 | 2257   |
|                           |         |        | 0.22           | 0.80                 | 7.00                   | 31.37          | 1.11                    | 3.15            | 0.40            | 1.64    | 1.55   | 0.53               | 0.84                 | 51.26                | 100.00 |

Note: Disabilities reported are PRIMARY disabilities and do not reflect secondary disabilities that a student may have.

<sup>1</sup> NO: No oral accommodation was indicated on student answer document.

<sup>2</sup> YES: Yes, oral accommodation was indicated on student answer document.

<sup>3</sup> TOTAL: Total number of students indicated as having an IEP or 504 plan.